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TM(ADC)820/280/00A

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TECHNICAL MEMORANDUM

(TM Series)

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SAGE Unique-to-Site Environmental
Data and Equipment Assignments
Reno RCC/DC

and

Hamilton RCC

by

D. M. McDaniel

22 March 1963

SYSTEM

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INTRODUCTION

This volume of the TM(ADC)820 Series contains the official SAGE unique-to-site environmental data and equipment assignments which are to be used in adapting the Model 9 computer programs and in Simplex Data Distribution Unit terminal assignments for the Reno Air Defense Sector. Certain adaptation data such as facility locations, characteristics, and other related data which apply to all sectors, is presented in volumes 3 through 7 of this series. The reader is referred to Volume 0 of this series for a detailed list of contents of all volumes.

SAGE Unique-to-site Equipment Review (USER) Committee signatures appear on page 5 of this document, with initials indicating approval, concurrence or review, as appropriate.

ADCM 55-32 currently defines adaptation data as being of two categories: 1) ADC Controlled Data; and 2) Field Controlled Data. A portion of this document is ADC Controlled Data and therefore constitutes a reason for the ADC Foreword page and NORAD Preface page authorizing the use of this data. However, since this document also contains Field Controlled Data, e.g.: "Times-2" display data; Manual Input data; etc, it is noted here that the aforementioned military preface and foreword page do not in any way usurp the position of the Division and Sector Commanders as delegated in ADCM 55-32, but instead reflect recognition of data forwarded by those Commanders to SDC.

Discrepancies noticed in any part of this document by SDC on-site programming teams should be forwarded to the authors utilizing current established procedures. Revisions to this document will be published as data changes occur or when practical. Changes to previous data will be indicated by use of a "▷" next to the data change.

SERIES CONTENTS

VOLUME	0	Series Description
VOLUME	1	Adaptation I/O limits and Drum Channel Requirements
VOLUME	2	Sector Environment Summaries
VOLUME	3	Sector and Region Positional Data
VOLUME	4	Radar Adaptation Data
VOLUME	5	Voice and Data-Link Communications Adaptation Data
VOLUME	6	Airbase and BOMARC Squadron Adaptation Data
VOLUME	7	ADA Site Adaptation Data
VOLUME	10	Unified Adaptation Guide for Region and Sector Data
VOLUME	250 through 351	SAGE Unique-to-Site Environmental Data and Equipment Assignments

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LIST OF EFFECTIVE PAGES

This page is a reference of changes to this volume and contains a complete index of all effective pages.

PAGE NO	CHANGE LETTER	PUBLICATION DATE	PAGE NO	CHANGE LETTER	PUBLICATION DATE
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3 - 4	Basic	7 Nov 62			
5	Basic	7 Nov 62			
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16-17	A	22 Mar 63			
18-21	Basic	7 Nov 62			
22	Blank				
23-24	Basic	7 Nov 62			

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USER COMMITTEE SIGNATURES

	APPROVAL	CONCURRENCE	REVIEW
APASTO <i>Wm. H. Edrington</i>	<i>WHA</i>		
SDC (DAS) <i>Lt. Col. J. Marshall</i>		<i>L</i>	
WE/ADES <i>C. L. Lyons</i>			<i>C. L. Lyons</i>
IBM <i>D. B. Rook</i>			<i>D. B. Rook</i>

The SAGE Unique-to-Site Equipment Review (USER) Committee signatures appearing on this page only apply to the following sections:

- Section 2.4 LRI drum channel assignments
- Section 6.2 Lateral-Tell input channel assignments
- Section 6.3 Ground-to-ground data link output assignments
- Section 6.4 Ground-to-air data link output assignments
- Section 6.5 Teletype output assignments

All other sections of this document need not be reviewed by the USER committee. This page will only be reissued when changes to the above mentioned sections are made.

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1.2 MAJOR WORLD GEOREFS SURROUNDING X1 AREA

SWITCH CODE	GEOREF	SWITCH CODE	GEOREF	SWITCH CODE	GEOREF
1	CH	4	DH	7	EH
2	CJ	5	DJ	8	EJ
3	CK	6	DK	9	EK

1.3.0 ADJACENT AUTOMATIC AND MANUAL SECTORS AT DC LEVEL

AUTOMATIC SECTOR NAME	AUTO LTR. DSG.	SECTOR REF.NO. (EQ.ID.)	D/L TIED	AMP NO.	SWITCH CODE	MAN LTR. DSG.	MANUAL SECTOR NAME **
LOS ANGELES	U	10	YES	017	0 *		
PORTLAND	M	1	YES	013	1		
PHOENIX	K	2	YES	021	2	XF	SALT LAKE CITY
SEATTLE CC ***	3	3	YES		3	XB	FALLON, NEV
SIOUX C. RCC***	4	4	YES		4		
SEATTLE DC	G	2		012	5		
MINOT	P	6	YES	019	6		
GREAT FALLS	A	7	YES	020	7		
SAN FRANCISCO	T	8	YES	018	8		
SPOKANE	Y	9	YES	015	9		

*SWITCH NO. 0 ON 10PB MODULES AND SWITCH NO. 10 ON 15PB MODULES

**ONLY MDC'S WITH DC TTY OUTPUT ARE INDICATED

***NOT AN ADJACENT SECTOR BUT IS DATA LINK TIED

1.3.1 ADJACENT SECTORS AND REGIONS AT CC LEVEL

REF. RGN	NAME 28TH NORAD	REGION NO. DSG. 28 5	SECTOR REF. NO. 5	SECTOR LTR.	SWITCH CODE 5	DSG. NO.	EQUIP. ID. 5	ADJACENT TO THE RCC/DC
RCC/DC	RENO		5	X	1	16	5	
DCB	PHOENIX		2	K	2	21	2	YES
DCC	SAN FRANCISCO		8	T	3	18	8	YES
DCD	LOS ANGELES		10	U	4	17	10	YES
CCB	25TH NORAD	25 3			7		3	
DC1	PORTLAND		1	M		13	1	YES
DC2	SPOKANE		9	Y		15	9	YES
CCC	29TH NORAD	29 4			8		4	
DC3	MINOT		6	P		19	6	YES
DC4	GREAT FALLS		7	A		20	7	YES

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1.4 LAND SEA LINES - NONE

▷ 1.5 AIR DEFENSE IDENTIFICATION ZONE - NONE

1.6 SECTOR MINIMUM ENROUTE ALTITUDE. 14000 FEET

1.7 TACAN TRANSMITTER NEAREST SECTOR CENTER

LATITUDE	LONGITUDE
040 46 00	115 46 00

▷ 1.8.0 MAGNETIC VARIATION LINES

LINE NO.	VARIATION	NORTHERN POINTS LATITUDE	LONGITUDE	SOUTHERN POINTS LATITUDE	LONGITUDE
1	22 DEG E				
2	20 DEG E				
3	18 DEG E				
4	17 DEG E				
5	16 DEG E				
6	15 DEG E				

▷ 1.8.1 MAGNETIC VARIATION AT SECTOR CENTER 18 DEGREES EAST

1.9 X2 DISPLAY DATA

X2 DISPLAY CENTER
LATITUDE LONGITUDE

X2 DISPLAY VERTICES
LATITUDE LONGITUDE

041 02 37 113 53 04

1	<u>NE</u>	<u>045 41 36</u>	<u>106 35 05</u>
2	<u>SE</u>	<u>035 49 55</u>	<u>107 53 45</u>
3	<u>SW</u>	<u>035 58 41</u>	<u>120 11 15</u>
4	<u>NW</u>	<u>045 57 57</u>	<u>120 52 18</u>



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3.0 AIRBASE DATA

3.1 MANNED INTERCEPTOR AIR BASES AND SQUADRONS

REF*	NAME	DSG	MODE-TYPE INDICATOR			MODE	SWCH CODE	SQUADRONS UNIT	DSG	AMP NO.
			I	IIA	IIB					
01	BOISE IDAHO	BOI	S			I	14	DET 2	PN	010
								190 ANG	TH	010
02	RENO NEVADA	RNO	R			I	13			132
03	MTN. HOME IDAHO	MUO	R			I	12			103
04	FALLON NAS NEV	NSV	R			I	11			036
05	OXNARD AFB CAL	OAF	R			OL	10			118
06	MALMSTROM AFB MONT	GFA	R			OL	9			091
07	TRAVIS AFB CAL	SUU	R			OL	8			152
08	SPOKANE INTL WASH	GEG	R			OL	7			144
09	GEORGE AFB CAL	VCV	R			OL	6			041
10	KINGSLEY FIELD ORE	LMT	R			OL	5			065
11	NELLIS AFB NEV	LSV	R			OL	4			107
12	CASTLE AFB CAL	MER	R			OL	3			019
13	HILL AFB UTAH	HIF	R			I	2			059
14	FRESNO AIR TERM CAL	FAT	R			OL	1			039
15	HAMILTON AFB CAL	SRF	R			OL	0			055

*SAME AS A/B CHANNEL NUMBER PLUS ONE

3.2 SAC/MATS BASES

	NAME	3 LTR DESIG	MODE*	AMP NO.
1	HILL AFB, UTAH	HIF	I	042
2	MTN.HOME AFB, IDA	MUO	I	066

*MODE IS DEFINED HERE AS INCLUDING A 50 MILE OVERLAP ZONE

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3.3 REGION ORIENTED MANNED INTERCEPTOR AIR BASES

SECTOR ORIENTED DATA

	DSG	AMP	A/B REF NO	BY	SECTOR	AIRBASE	MODE/TYPE	
	NO.	RCC/DC	DCB	DCC	DCD	RCC/DC	DCB	DCC
	RE	PH	SF	LA	RE	PH	SF	LA
01	BOI	010	01			I/SCR		
02	MER	019	12	03	04	OL/REC	I/SCR	I/A/SCR
03	DMA	027		12			I/SCR	
04	FAT	039	14	13	08	OL/REC	I/AUG	I/A/AUG
05	VCV	014	09	01	02	OL/REC	I/A/SCR	I/SCR
06	GEG	144	08			OL/REC		
07	SRF	055	15	01	10	OL/REC	I/SCR	OL/REC
08	LMT	065	10	10		OL/REC	I/A/SCR	
09	GFA	091	06			OL/REC		
10	NZY	110		04	03		I/A/SCR	I/SCR
11	OAF	118	05	02	07	01	I/B/REC	I/A/SCR
12	PDX	127			11		OL/REC	
13	SUU	152	07		02	12	OL/REC	I/SCR
14	BAB	007			06		I/REC	OL/REC
15	NZJ	033		05		06	I/A/AUG	I/AUG
16	NSV	036	04		14		I/REC	OL/REC
17	HIF	059	13				I/REC	
18	EDM	189		15		13	I/A/SCR	I/SCR
19	NLC	072			12	07		I/REC
20	LUF	080		11			I/AUG	I/A/REC
21	MHR	096			05			I/REC
22	MCC	084			04			I/REC
23	RIV	093		03		15	I/A/REC	I/REC
24	NKX	101		08		11	I/A/AUG	I/AUG
25	NUQ	104			15			I/REC
26	MUO	103	03				I/REC	
27	LSV	107	11	10		14	I/AUG	I/B/AUG
28	ONT	115		14		05	I/A/AUG	I/AUG
29	PHX	125		07			I/REC	
30	RNO	132	02				I/REC	
31	SFO	140			09			I/REC
32	TUS	156		06			I/AUG	
33	CHD	167		13			I/REC	
34	YUM	171		09		09	I/REC	I/B/REC
35	SIY	182			08			I/A/SCR

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3.4 REGION ORIENTED SQUADRON DATA

REF	NAME OF AIRBASE	SQUAD UNIT	DSG	INT. TYPE	AMP NO.
01	BOISE IDAHO	190 ANG	TH	F-86L	010
02	BOISE IDAHO	DET 2	PN	F-100D/F	010
03	CASTLE	456 FIS	UH	F-106A	019
04	DAVIS MONTHAN	15 FIS	YK	F-101B	027
05	FRESNO AIR TERM	194 ANG	MG	F-86L	039
06	GEORGE AFB	329 FIS	AL	F-106A	041
07	GEORGE AFB	479 TFW	YP	F-104	041
▽08					
09	HAMILTON AFB	83 FIS	GH	F-101B	055
10	HAMILTON AFB	84 FIS	TP	F-101B	055
11	KINGSLEY FIELD	322 FIS	MK	F-101B	065
▽12	NORTH ISLAND NAS	VFAW3	EL	<u>F-6A</u>	110
13	OXNARD AFB	437 FIS	JP	F-101B	118
14	TRAVIS AFB	82 FIS	EN	F-102A	152
▽15	EL TORO NAS, CALIF	MAR AUG	NG	<u>F-6A</u>	033
▽16	EL TORO NAS, CALIF	MAR AUG	ML	<u>F-8D</u>	033
▽17					
18	LUKE	4510 CCTW	NP	F-100D/F	080
19					
▽20	MIRAMAR NAS, CALIF	NVY AUG	AP	<u>F-3B</u>	101
▽21	MIRAMAR NAS, CALIF	NVY AUG	GN	<u>F-4B</u>	101
▽22	MIRAMAR NAS, CALIF	NVY AUG	XG	<u>F-8D</u>	101
23	NELLIS	4520 CCTW	EH	F-100C	107
▽24					
25	TUCSON	152 ANG	HL	F-100	156
26	ONTARIO	196 ANG	PG	F-86L	115

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4.0 BOMARC DATA

4.1 BOMARC A BASES - NONE

4.2 BOMARC B BASES - NONE

5.0 ARMY AIR DEFENSE COMMAND POST(AADCP) DATA

SWCH CODE*	NAME	OPTION	MODE	EQ.10.	AMP NO.	PARENT SECTOR	MODE II CONTROL	OVERLAP COVERAGE
1								
2								
3								
4								
5								
6								
7								
8	FAIRCHILD	LTL	OL		007	SP	SE	GR,RE
9	SAN FRANCISCO	LTL	OL		020	SF	PO	LA,RE
10	LOS ANGELES	LTL	OL		012	LA	PH	SF,RE

*SAME AS AADCP NUMBER

5.1 REGIONAL AADCP DATA

REF	DSG	SWITCH	NO/OPTION/EIDN	RE	PH	SF	LA
1	FAIRCHILD	08/LTL					
2	SAN FRANCISCO	09/LTL				01/AUTO/12	09/LTL
3	LOS ANGELES	10/LTL	03/AUTO/14			09/LTL	01/AUTO/12

6.0 COMMUNICATIONS DATA

6.1 TIME DIVISION DATA LINK RADIO SITES

REF.	IDENT	MODE	AMP NO.
01	M-127	I	117
02	SM-149	I	299
03	SM-164	I	314
04	SM-156	I	306
05	M-118	I	108

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